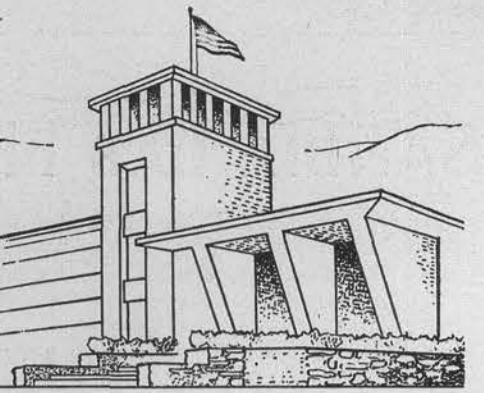


SANDIA LAB NEWS

published every other Friday for the employees of sandia corporation, contractor to the atomic energy commission



Vol. 6, No. 27

ALBUQUERQUE, NEW MEXICO

DECEMBER 31, 1954

Polio Increase Emphasizes Importance of '55 Campaign



Photo by Dunlap

POLIO FIGHTERS—Planning strategy for Sandia Corporation's fight against infantile paralysis are, L to R: Ben Bright, 1941, and Jack Spence, 2341, sub-chairman of the Commerce and Industry Committee; Les Wright, 1930, Division Chairman of Industry; and Al L. Fite, 1324, chairman of the Commerce and Industry Division. Not in the picture is William Kraft, 2532, chairman of Utilities.

The March of Dimes in support of the National Foundation for Infantile Paralysis starts Jan. 3 and helping spark the local campaign is a group of hard-working Sandia Corporation employees.

Among the Sandians in the drive are Al L. Fite, 1324, who is Chairman of the Commerce and Industry Division; O. L. "Les" Wright, 1930, Division Chairman of Industry; and Ben H. Bright, 1941, and Jack R. Spence, 2341, sub-chairmen of the Commerce and Industry Committee; and William Kraft, 2532, Chairman of Utilities.

Year Has Promise

This year has promise of being a great period for the National Foundation for Infantile Paralysis. "It will be a wonderful day," reports Al Fite, when the world can be told that Dr. Salk's trial vaccine actually protects against polio. It is hoped that day will arrive in 1955.

"On the other hand," Al warns, "we must face the possibility that an inconclusive report may be issued."

In either case, Al reports, scientists and doctors working with the vaccine expect the problems of the Polio Foundation to multiply. Even if the vaccine is declared highly effective these men cannot see the end of polio in 1955 or 1956, or for that matter, 1957.

Many Are Susceptible

Pointing up the continuing need for more funds for the foundation, Al reports that there are 50 million young Americans under 18 years of age—they comprise the most polio-susceptible group.

"These young people cannot possibly be vaccinated in time to prevent thousands of new attacks in the years immediately ahead," Al reminds us.

The nation-wide goal for the National Foundation is \$64 million. The year 1954 was the seventh consecutive year of high polio incidence in United States. It was the third highest in U. S. history; only 1949 and 1952 exceeded it.

Tide Is Rising

Nearly 40,000 new polio cases were reported in the country in 1954. Of the 378,000 polio cases reported since the Foundation was founded in 1938, more than 133,000 cases have occurred in the past three years.

"Apparently there is a rising tide of polio," Al tells.

Sandia Corporation employees will find it convenient to give their bit for the fight against the disease. Distrib-

Engineer Training To Be Discussed At AIEE Meeting

S. B. Crary, manager of the Analytical Engineering Division of the General Electric company, will be the chief speaker at a meeting of the American Institute of Electrical En-



S. B. Crary
—Jan. 12 speaker—

gineers, Jan. 12, at Reddy's Rendezvous in the Public Service building at Fifth and Silver. Time of the meeting is 7:30 p.m.

Mr. Crary will discuss the education and training requirements of the systems planning engineer, from the standpoint of college courses needed and industrial on-the-job training. Refreshments will be served.

uted throughout the area will be coin collectors in which donations may be placed.

"It's a bigger job now—fight polio."

Mr. McRae Speaks To IRE Members

James W. McRae, president of Sandia Corporation, will be featured speaker at a dinner and technical meeting of the Albuquerque-Los Alamos section of the Institute of Radio Engineers, at 6:15 p. m. Jan. 20 at Lobo Joe's Dining Room.

Mr. McRae will talk on "The Mathematics of Boards, Panels, and Committees."

Later, at 8:30 p. m., during the technical portion of the meeting, George E. Pihl, and Caxton Foster, both of Technology Instruments Corporation, will discuss the "General Techniques of Phase Measurements."

During the technical portion of the program, the ladies, who are guests for the evening, will play bridge in an adjacent room.

James Drake Heads Valparaiso Alumni Group in Albuquerque

Formal organization of the Delta Chapter of the Valparaiso Technical Institute Alumni Association was completed recently at the home of Lee Neeley, 5524.

Officers elected are James Drake, 1652, president; Lee Neeley, 5524, vice-president, and Leeland Hogue, 5415, secretary-treasurer.

All alumni of the Valparaiso Tech Institute (formerly Dodge Radio and Telegraph Institute) are welcome at the meetings. Next meeting will be Friday, Jan. 14, at the home of Arthur Vigil, 5421.

Ordnance Association To Organize Jan. 13

Local members of the American Ordnance Association have scheduled an organization meeting for Jan. 13 in Room 122, Mitchell Hall, at the University of New Mexico. An Albuquerque chapter of the Association will be formed.

Chief speaker at the meeting will be Rear Admiral William W. Juvenal, AEC, who will speak on the participation of the American Ordnance Association in the national defense effort.

Further information concerning membership eligibility and meeting programs for the coming year may be obtained from Laurence Snodgrass, 1631, ext. 27233.

Lee Toliver Speaks to Mechanical Division Of Albuquerque ASME

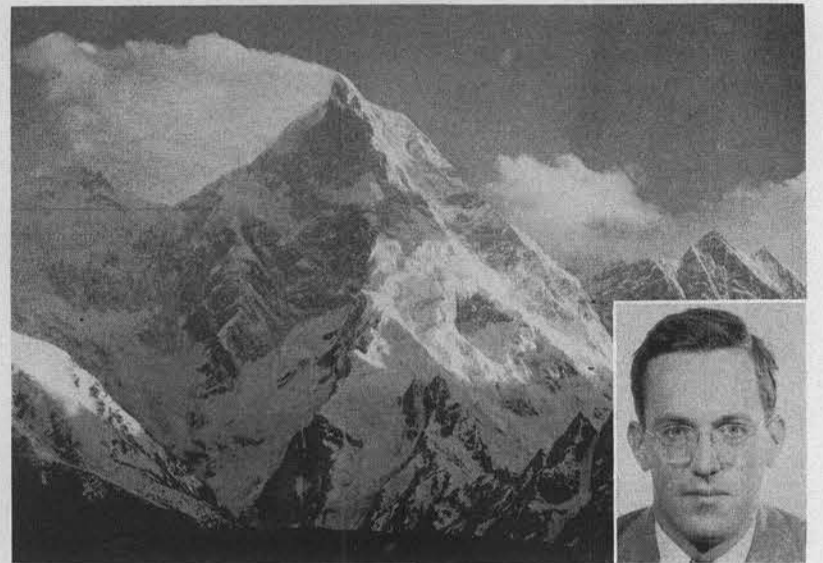
The mechanical division of the American Society for Mechanical Engineers will hold a meeting Jan. 5 at 7:30 p. m. in the Mechanical Engineering building on the University campus.

Lee Toliver, 1634, will lead the discussion group in two topics: "A Study of Training for Professional Improvement", and "Work Sampling to Determine Efficiency".

Radio Club to Tour New FM Radio Station

A tour of Radio Station KHFM, Albuquerque's sole FM outlet, will be made by members of the Sandia Base Radio Club when they meet Jan. 10 at 8 p. m. The meeting will be held at 905 Buena Vista Drive SE.

Members will inspect the station during evening operations. Refreshments will be served after the tour.



K-2—"The Savage Mountain." (Inset is George A. Bell, Los Alamos Adventurer.)

Tale of Struggle Up Towering K-2 Will Be Told by Los Alamos' Climber-Physicist

Second Semester At UNM Begins Week of Feb. 7

Registration for study during the spring semester of the University of New Mexico will be Feb. 4 and 5 and classes will begin the week of Feb. 7.

The UNM Registrar announces that 117 credit classes, both graduate and undergraduate, will be offered as well as 48 non-credit courses.

Cost for credit work at the University is \$12 per semester hour. Charges for non-credit courses start at \$10 and range upward.

Additional information and bulletins may be secured by calling the University, 7-0391, ext. 208. Undergraduate students who plan to enroll should apply for a registration number in Room 104 of the Administration Building. Graduate students may secure their numbers at Room 150, Administration Building.

Information Theory IRE Group Meets

The IRE professional group on information theory will hold a meeting Jan. 12 in Room 121, Mitchell Hall, on the University campus. Time of the meeting is 8 p. m.

Bennett L. Basore, 5411, will review a paper written by J. I. Marcum of the Rand Corporation: "Statistical Theory of Radar Detection."

A well-known American adventurer will tell the story of his climb in Pakistanian mountains to members of the Albuquerque Ski Club and New Mexico Mountain Club at a Jan. 12 joint program of the two groups.

Hank Tendall, 1211, president of the Mountain Club, has announced that George A. Bell, the Los Alamos physicist who took part in the Third Karakoram expedition in 1953 which tackled K-2 in Pakistan, will tell of his adventure in an illustrated talk. In addition to color slides he will present the motion picture, "K-2, The Savage Mountain."

Bell, a widely-known amateur climber, is the author of an article in the Dec. 25 issue of the Saturday Evening Post, "I Climbed Again," describing a climbing trip in the Peruvian Andes.

Tickets for the program, which will be at 8 p.m. in the Albuquerque High School Auditorium, may be purchased at the door or from any member of either club. Adult admission is \$1 and children, 50 cents.

The Albuquerque Ski Club will also meet Jan. 3 at 7:30 at Leonard's Restaurant to discuss plans for the Annual Ski Ball to be held in February.

Radar Telemetry Group of IRE to Plan for New Year

Discussions on possible activities during 1955 will be the main topic of a business meeting of the IRE professional group on radar telemetry and remote control to be held Jan. 11 in La Cava Room of the Coronado Club at 8 p.m.

Additional Base Housing Available

Two-bedroom apartment units in the AEC housing area on Sandia Base are now available to all Corporation employees, it was announced this week by the Employee Services Department.

To qualify for these units, an applicant must be the head of a family and have two dependents.

Both men's and women's dormitory rooms, plus a few one-bedroom efficiency apartments, are also available for assignment. Efficiency apartments are assigned to an employee with one dependent. A refrigerator and stove are furnished in all apartments. Dormitory rooms are completely furnished with kitchen facilities available, if desired.

Applicants may obtain additional information from the Base Housing Office at its new location, Bldg. 3214, directly west of the Coronado Club.

Telephone inquiries may be directed to ext. 21154.

SANDIA LAB NEWS

Friday, December 31, 1954

Published every other Friday for the employees of Sandia Corporation, contractor to the Atomic Energy Commission.

Editor, Robert S. Gillespie
Assistant Editors, Maxine Ethridge, William H. Puder

Photography by Photographic and Reproduction Division

Contributions should be in the office of the Sandia Lab News, Employee Services, Training and Public Relations Department, Bldg. 829, before noon of the Friday prior to day of publication.

Telephones: Sandia Base Extension 25253 or 26135



Statistics Still Threaten Us

One year ago the Sandia Lab News worried editorially that the State's highway death toll statistics were threatening us. In 1953 there were 411 people killed on New Mexico highways. The most recent figure for 1954 is 369 and it may grow before midnight tonight.

S-D Day, as observed by the nation, proved that highway deaths can be reduced. S-D Day, as observed in New Mexico, indicated that disasters are always with us. Four tourists passing through New Mexico died in an accident which was caused, the State Police said, by "high speed and fatigue."

Earlier in the year, before S-D Day was announced, Sandia Corporation's Safety Assurance Director, A. Burton Metzger, advanced the idea that friendliness might be the answer to decreasing deaths from auto accidents. Mr. Metzger served as chairman of an emergency meeting called by the Governor to discuss New Mexico's highway death toll and presented the theory then.

This friendliness was the idea behind the nationwide S-D Day. On that day there were fewer deaths than the corresponding day a year ago and fewer than the average number of deaths per day for the first 10 months of 1954.

Perhaps Mr. Metzger's theory isn't idealistic after all.

No approach to finding a solution should be ignored.

Only the response of the drivers, Mr. Metzger pointed out, can "reduce the number of empty chairs, the number of empty cribs, and the number of empty hearts in New Mexico."



Operation Deepfreeze

Service beyond the call of duty was rendered recently by Lt. R. M. Hooper of Plant Security. When the motor burned out on the refrigeration unit at the refreshment stand in Bldg. 800 on a weekend there was no way to get the box repaired until Monday. Realizing that the ice cream bars and other perishables in the freezer would be spoiled by that time, Lt. Hooper tried vainly to locate one of the operators of the stand (sponsored by the Lions Club for the aid of the blind). As a last resort, he boxed up the frozen goods and arranged for their temporary storage at the Coronado Club, thus saving the merchandise.



LEARNING to be a horsewoman at the tender age of six is Janet Kay Page, daughter of Jeff Page, 1641.

Operation Mop Up

It was routine but nevertheless timely action on the part of another Plant Security patrolman who last week discovered that the floor of Bldg. 829, recently occupied by Employee Services and Labor Relations, was being flooded by a leaking water pipe. It was 3:30 a.m. when the break was discovered, but by the time the occupants of the building reported for work water had been mopped up by Plant Maintenance and no damage was reported.



NEWLYWEDS Claudette and Al Schonberg are now at home at 4817 Grand Ave. NE. The bride is the former Claudette Craig, 1925, and Al is in 3152. They were married recently in Trinity Methodist Church.

Raining Tree Trunks

Bob Hoff, Sandia Corporation's insurance counselor, backed his car out of the garage the other day when a brisk wind was blowing. He stopped by the house, heard a loud cracking of a nearby tree and being an old Air Corps man bailed out of the car to the safety of the porch. The top 20 feet of a poplar tree snapped off and put a deep dent in the top of his car—in a spot right next to where he had been standing.

around the departments

A flying trip to Washington, D. C., was enjoyed by Pat Scroggins, 3160. She visited friends and relatives there and came back through Georgia for more visiting.

Oleta Morris, 2362-2, is getting well at home after a siege in the hospital. She expects to return to work early in January.

Vacations in 1280: Dick Borgmeier in Ogden, Utah; Leo A. Dunn, W. A. Gorry, R. R. Moore, and Roger W. Muir, at home; Bill L. Moore-house in Colorado.

Joe Crompton has been welcomed back to work in 1283 after a three-weeks absence due to pneumonia.

George L. Adkins, 1282, and family have moved to their new home at 1825 Illinois NE and W. R. Rylander, 1283, and family have moved into their new home at 2920 Alvarado Dr. NE.

Tony Lopez, 2461-1, presided at a turkey and ham dinner for personnel of the section before Christmas. Tony, as Santa Claus, stole the show.

Nona Shively, AEC, and her husband, Bill, 2413, are happily driving a new Chevrolet station wagon this Christmas.

AEC folks in the Development and Production organization welcomed the holiday season with a chicken dinner two days before Christmas.

Vacations are popular in 4153: Bill White drove to Oklahoma, Wally Smith took life easy at home, Marge De Cou flew to Gainesville, Fla. James "Mike" Coleman is taking a series of short trips in this area.

Jim Miles, 3171, and his wife, Norma Lee, 1922-2, will see the Cotton Bowl football game in Dallas tomorrow.

Robert F. Utter, 3154, spoke recently to the staff of Harwood Girls' School on psychological testing. He also spoke to the Bernalillo County PTA Council on legislation pertaining to retarded children.

News from 3150: Martha Cole, who vacationed in Hawaii last month, has been hospitalized with an infected finger recently. Allan Schonberg and bride, Claudette, 1343, are back from a Mexican honeymoon. Mary Sherman was in New Orleans for Christmas. Roberta Hunnicutt vacationed in Oklahoma. Connie and Marvin Steputis went to Colorado. Peggy Haner vacationed in Mexico City. Mary Vcella traveled to Kansas for Christmas. Pat Jeans holidayed in Missouri. Beverly Adams visited her mother in Denver.



Photo by Dunlap
WELCOMING the New Year with open arms is pretty Pat Mares, AEC. Pat says that 1955 will be the best year yet!



RENEE FOSTER, formerly of 2461-2, and her son, David, aged nine months, pose for a snapshot for Daddy's billfold. He is John Foster, 1722.

A new grandchild, the first one, was a Christmas present to Marie Ream, 3100. Marie's daughter and new proud mother is Mrs. Beverly Ferguson of Lincoln, Nebr. Marie is spending the holidays with them at Lincoln.

Folks in 4153 sent their thanks to Mrs. George Horne, Sr., for the cake sent them in celebration of the Yule season.

Frank Snyder, 2331-1, has returned to work again after being ill for several days.

A Christmas in Missouri was enjoyed by Zelma Beisinger, 5112. Carter Broyles, 5111, spent his holidays with friends in Hollywood, Calif. The Harold Richardsons, also 5111, celebrated Christmas in their new home at 1219 Garcia NE.

Vacations in 2100: E. J. Smith and family to New York; J. K. McDowell family to Arizona; Joanne Reese and husband were in Las Cruces; Florence Gustafson and husband, Bill, 5226, went to Iowa; Howard and Margaret Reese (she's in 3160) vacationed in Kansas City. Edward and Vera Miller had a Christmas in Lubbock and Abilene, Texas.

From 2232: the Hillard J. Martin family spent Christmas in Texas; the Matt Bustos' are holidaying in Colorado; E. W. Starr and family went to Texas, and the Leo Benavidez family went to Colorado for Christmas.

Others heading "home" for the holidays were R. M. Jacob, E. F. Hockett, W. H. Buckalew and A. W. Snyder, all of 5524. The 5524 group enjoyed a party at the home of R. E. Butler on Dec. 18.



MEMBERS OF the Enchanted Lens Camera Club—half of whom are Sandia Corporation employees—got together recently for a lens trip to Mead's Angus Mesa west of town. Art Eastwood, 2122, is vice-president of the group. Rickey Cramer is president, and Judy Anderson is secretary-treasurer. Sandians interested in participating in the work of the club may contact Eastwood at ext. 31255 and get further information.

around the departments

Parties, Gay Events, Vacations Are All Part of Holiday Fun



Photo by Dunlap

THE "OFFICE TREE" for members of 1641 was a glamorous production this year, and was constructed solely from drafting materials at hand—nothing was brought in for it. Among those who devoted lunch time to making tree decorations were Shirley Fleming, left, and Peggy Carter.



Photo by Dunlap

MORE THAN 385 members and guests of the Sandia Base Women's Club enjoyed the second annual Christmas brunch at the Sandia Base Officers' Club, Dec. 19. Attending the gala holiday party were, L to R: Col. Berton F. Spivy, Special Weapons Training Group, AFSWP; Mrs. Spivy, co-chairman of the event; Mrs. Robert E. Poole, chairman, and Mr. Poole, Vice President, Development, Sandia Corp.

Spending the holidays in various parts of the country are these Sandians from 5510. Frank Fortine and his wife, Diane, 5241, to Los Angeles to visit Frank's family; Elzie Greene, also to Los Angeles to visit relatives and take in the Rose Bowl game and Tournament of Roses; Phil Bircher, home to Ellsworth, Kans.; Clifford Bayer, to Fort Worth, Dallas and Shreveport; and Bertha Vencill, to El Paso last weekend. Enjoying home vacations are Ellen Jones, whose sailor son was due home from duty in Alaska, Irv Troyky and John Kirby.

Carl Hunt, 2331-1, took his vacation over Christmas and will be back at work Monday. Danny Neff, 2331-1, is also vacationing at home over the holidays.



BOBBY, 5, and Debbie, 3, children of the Harry R. Botts, 1325, waited for Santa Claus this year at the family home, 3213 Madiera St. NE.



Photo by Laskar

HOLIDAY PARTY for photo lab crew of 2462-1 found the camera masters in fine voice. L to R, front row: Steve Farrelly, Roy Dunlap, Tony Adler, Roger Williams and Bill Laskar. Rear row: Dick Hodges, Oscar Goodwin, Elliott Harris, Vince Newman, Louis Erne, Dave Tafoya, Bob Ezell and Wally Boyes.



TWO-YEAR-OLD son of Larry Brown, 2152, and Ruth, 2111, is Master Larry LeRoy Brown.



PETE SORRELL baked this holiday cake for the recent yule luncheon for members of 2461-2. The menu included ham, salads, baked beans and other festive goodies. The tree in the background was decorated by the girls from 2461-1 who took pity on their neighbor's undecorated greenery.

Maurice Gowdey, 1723, and his wife are spending a vacation in Santa Cruz, Calif., with Mrs. Gowdey's parents.

Gaynor Atkinson, 1731, is in Salt Lake City, Utah, for the holidays, and Charlie Chavez, 1931, is vacationing at home in Albuquerque. Johnnie Johnson, 1925 (1732), is spending a week with her family in Belen.

Her fellow workers in 1722 are happy to welcome Thelma Renwick back after her recent stay in the hospital.



SMILING their New Year's wishes for the Shelton Shannon family are their three daughters, L to R, Peggy, Toni and Nancy. Shelton works in 2151.



Photo by Laskar

CHRISTMAS HAPPINESS—The idea of sharing a Christmas dinner with an unfortunate family was started in 3153 and soon all of the Personnel and Employment Department, 3150, joined in the venture. Mary Hogue, left, and Connie Seputis show a few of the groceries contributed.



LITTLE SISTER in the home of the B. M. Grissoms, AEC, is Mary Ann, age 2½. Her two brothers, 18 and 16, are teaching her to sit a neat saddle by starting her out on a pint-size pony.

PROMOTIONS

HENRY C. STRAUSS to supervisor of Section 2322-2. Henry started work for Sandia Corporation in 1951 as manager of the Safety Store. Prior to coming here he worked in the Radio Shops of the Western Electric Company at Winston-Salem, N. C. Henry was with Dun & Bradstreet for three years doing credit investigations and during the war saw service with the Air Force. He attended North Carolina State College, studying aeronautical engineering.



FRANK J. MALONEY, JR., to supervisor of Section 1244-2. Frank came to Sandia Corporation in April, 1951, from New York where he had worked for the New York Central Railroad. For three and a half years during the war he was in the U. S. Navy doing liaison work in Ceylon. Frank is a graduate of Georgia Institute of Technology, receiving a Bachelor of Science degree in Mechanical Engineering in 1950.



THEODORE S. CHURCH to manager of Department 5410. Ted joined Sandia in May, 1947, as an electrical engineer. He is a graduate of Massachusetts Institute of Technology with a Bachelor of Science degree in Electrical Engineering. During the war Ted was associated with the V-12 program at MIT. He has been active in the work of the local chapter of the Institute of Radio Engineers and has held the offices of chairman and secretary-treasurer of the group.



Three Sandians Give Technical Papers at Scientific Conclave

Richard F. Link 5120, G. T. Ford 5330, and Rudolph Frantik of 5131 recently gave technical papers before a meeting of the American Statistical Association during the annual conclave of the American Association for the Advancement of Science, held in Berkeley, Calif.

Link's paper was entitled: "On Estimating the Mean Life of a Radioactive Source," Ford's: "Effect of Vibration Aging on Certain Types of Receiving Tubes", and Frantik's paper was on "An Approach to the Systematic Analysis of Circuit Operations."



THE BRIDEGROOM gets a taste of their surprise cake as the former Pat Smith, 1925, and Clayton Guynes, 1913, were honored recently by their co-workers. Pat and Clayton, who were married Dec. 10, are now at home, 2716 Charleston NE.

HIRAM D. CHAMBLISS to supervisor of Section 1651-2. "Hi" came to the Laboratory in June, 1952, from Washington, D. C., where he had worked for an architectural firm. Previously he had been in business for himself, and prior to that had worked five years as an assistant director in the materials laboratory, Oak Ridge, Tenn. A former physics instructor at the University of Missouri, Hi headed the defense training school for the State Department of Education, also in Missouri. For 11 years before World War II, he was a supervisor in the Missouri Planning Survey for the State Highway Department, and before that had been a teacher and a bank cashier. Hi holds a B.S. degree in Education from the University of Missouri, with a major in physics and a minor in mathematics.



WILLIAM B. MARSH to supervisor of Section 1215-1. Bill, a former district manager for Utility Appliance Corp. here and in Los Angeles, came to Sandia Corporation three years ago. A graduate of the University of Michigan, he holds a B.S. degree in aeronautical engineering and is a registered engineer with the State of New Mexico. His experience includes a chief engineering position with Curtiss Wright Airplane Co., project engineering post with Fuller Housing, both in Wichita, Kans., and chief engineer's job with Lennox Furnace Co., Columbus, Ohio.



CHARLES A. TUCKER to supervisor of Section 1641-3. A draftsman, Charles joined the Laboratory three years ago after holding similar positions with Raytheon Manufacturing Corp., and Submarine Signal Co., both in Boston, Mass. A native of Lynn, Mass., Charles attended Northeastern University in Boston and later was a supervisor in a shoe-trim manufacturing plant at Lynn.



Mrs. Doug Macrae Is Reported Improved

Mrs. Doug F. Macrae, whose husband works in 3171, has improved over the past few weeks from an attack of sleeping sickness which struck last May 25.

Mother of three small children, Mrs. Macrae has been hospitalized at St. Joseph's since she went into a coma early that day.

She has shown marked improvement in recognizing church acquaintances and friends who have visited her at the hospital. Doug reports that hopes for her eventual recovery are strong at this time.

Mrs. Macrae formerly was a nurse at Sandia Base Hospital.

No job is so important and no service is so urgent that we cannot take time to perform our work safely.

HAROLD F. HOWARD to supervisor of Section 1243-2. Harold is a graduate of Purdue University, and obtained his Master's Degree in electrical engineering in 1935. Formerly employed by the Northern Indiana Public Service Company in Gary, Indiana, he saw 3½ years active duty with the Air Forces during World War II, and was assigned to the Mediterranean Command for almost a year. He has been a Sandia Corporation employee since October, 1952.



HUBERT H. PATTERSON to manager of Department 5440. Pat graduated from Tennessee Polytechnic Institute in 1943 with a BS degree in physics. He has done graduate work in electrical engineering at the University of Illinois and the University of New Mexico. After serving three years in the Navy as a radar field service officer, he was employed at the Naval Ordnance Test Station as an electronics engineer in the timing and communications section and reported to Sandia Laboratory in 1948. He has had three articles published in the field of electronics.



Two IRE Groups Hear Discussion Of Antenna Assembly

Stanley Gillespie, 5412, will speak on the "Assembly of Airborne Antennas for Telemetry and Communication Application," at a joint meeting of the IRE professional groups on microwave theory and techniques, and antennas and propagation.

The meeting will be held at 8 p. m. Jan. 5 in Room 219 of the Electrical Engineering building on the University campus.

G. I. News—

Jim Lang, formerly of 1241, is now assigned to Frankford Arsenal in Philadelphia where he is working as a mechanical engineering assistant. He took his basic training at Fort Bliss, Texas, and was then transferred to Philadelphia. His address:

James J. Lang
7228 Dungan Road
Philadelphia 11, Pa.

Clive G. Foy, formerly of 2544, and now on military leave writes from Biggs Air Force Base near El Paso, Tex., where he is stationed with the 341st Bomb Squadron. Early this year while in Montgomery, Ala., he broke his leg, but is now back on flying duty. His address:

Clive G. Foy
1st Lt. USAF
341st Bomb Squadron
Biggs AFB, Texas

Sandia Model A Fans Invited to Join Club

First meeting of Albuquerque's new Model "A" Club is slated for Jan. 9 at 2 p. m. at the home of Mel Pliner, 1633-3, 6210 Bellamah Ave. NE.

Plans are now under way for an affiliation with the Sports Car Club of Albuquerque so that "A" model members may participate in road events and attend meetings.

Membership in the new club is open to all Model "A" Ford owners. Information is available from Mel, Alb. 6-1907.



GOVERNOR MEDINA officiates at the Christmas Celebration for children of the Zia Pueblo north of the city. Seeing that these youngsters were remembered with toys, candy and fruit were A. J. Peterson, 5216, along with David Roark and Russell Loomis, both of Albuquerque, and their families. This is the second holiday party sponsored by the Sandian and his friends for the Zia children. During the year they take sorely needed footwear and clothing to the Indian group.

Death of 2 Sandians Saddens Co-Workers

Charles W. Eggert, who had been an employee of Sandia Corporation since July, 1949, died of a heart attack Dec. 19 while attending church services in El Paso, Texas.

Mr. Eggert, 2414, known to most Sandians as "Curley", had a wide circle of friends in Albuquerque as well as Sandia Base. He had been active in the Elks Club and had done



C. W. Eggert

considerable work for veterans through his Elks activities. He was a member of the Albuquerque Community Chest budget committee.

For two years he served as president of the Atomic Projects and Production Workers, Metal Trades Council, A. F. of L.

He is survived by his wife and one son, Wayne, who is in the Air Force, stationed in New York.

Funeral services were in Albuquerque, Dec. 23.

* * *

Renato E. Giannini, a Sandia Corporation employee for the past five years, lost his life in a hunting accident south of Albuquerque, Dec. 20. Renato, 28, was wading in waters of the Rio Grande at the time of the



R. E. Giannini

accident and hunting companions heard him call for help, but he had disappeared by the time they reached the spot where he had been.

A father of three small children, he and his family lived at 9021 Fairbanks NE.

Party-Going Coronado Club Members Will Usher Out Old Year

"Out with the Old Year, In with the New!" will be the holiday theme of Coronado Club members tonight when about 750 persons gather in the main ballroom to greet the New Year. More members than ever before will attend the party, according to Club officials, as a capacity crowd dances away the old year to Don Lesmen's music.

The MBC Trio will play for dancing in the Recreation Room.

Noisemakers, party hats, and streamers are being furnished the merrymakers at the Club's all-inclusive ticket price of \$2 per person, and a bacon-and-egg breakfast will be served in the first hours of the New Year.

Time of the party is 9:30 p. m.

Information concerning reservations and table locations may be obtained by calling at the Club office. Tickets must be paid for in advance and no reservations can be made by phone.

Congratulations

BORN TO:

Mr. and Mrs. Tim Preston, 5131-1, a daughter, Deborah Stephanie, Dec. 18.

Mr. and Mrs. Vern Henning, 3152-1, a daughter, Corrinne Marguerite, Dec. 12.

Mr. and Mrs. Charles Rood, 2332-1, a son, Christopher Mark, Dec. 19.

Mr. and Mrs. Jim Hann, 2363, a daughter, Marsha Jane, Dec. 11.

Mr. and Mrs. Robert Dosien, 1732, a son, Charles, Dec. 16.

Mr. and Mrs. Herman Goldenberg, 5513, a son, David Paul, Nov. 30.

Mr. and Mrs. Harry Warrick, 5531, a daughter, Michelle Anne, Dec. 7.

Mr. and Mrs. E. F. Johnson, 1634, a son, Miles Tristan Fielding, Dec. 7.

Mr. and Mrs. Harold Byland, 5531, a son, Jimmie Ray, Nov. 24.

Mr. and Mrs. H. E. Hansen, 5227, a daughter, Lisa Lorraine, Dec. 17.

Mr. and Mrs. Corry McDonald, 1630, a son, Dec. 27.

Mr. and Mrs. Donald R. Cotter, 1326, a son, Jeffrey Michael, Dec. 27.

Strange RAYPAC Machine Predicts Paths Of Sound Waves - Before the Sound!

The number of windows that might be broken in communities near the AEC's Nevada Proving Ground by a nuclear explosion is a matter of more than passing concern to the Atomic Energy Commission.

But until recently the computation of probable paths of sound waves was such a lengthy process that no one could really be sure of the accuracy of the predictions when Zero Hour arrived. Weather data several hours old had to be used in order to finish computations in time, and weather conditions can change rapidly—in an hour or less.

Much of the uncertainty has now been removed from the computations of these sound paths by the development of a device at Sandia Laboratory which completes the calculations in a fraction of the time needed for manual computations. The latest weather data may be used, thus the chance for error is reduced.

Howard B. Durham, 5413, who developed the computer, makes no outlandish claims for his new machine. Yet trial runs have shown that the new device can plot the probable gyrations of a blast's sound paths in less than 15 seconds per path!

Wave Concentration

"Such calculations are important," Howard Durham says, "because the sound vibrations caused by a nuclear blast can cause some damage in surrounding communities if their effect is concentrated at one point. If a focusing condition will exist, we want to know about it ahead of time. Then the AEC's Test Manager could postpone the test."

Durham's RAYPAC — ray path analog computer — is housed in a commercial console, not unlike the control panel of a commercial broadcasting station. Power is supplied to the battery of amplifiers in plus or minus amounts up to 300 volts at 250 milliamperes. The computing machine has dual channel d-c amplifiers and the output recorder is a Librascope X-Y plotter.

Assumptions Made

Howard Durham works in the Special Problems Division of the Electronic Research Department, 5410-A. "Several fundamental assumptions



Photo by Dunlap

Howard B. Durham

—electronic "brain" plots nuclear detonation sound paths—

were made by men in Division 5111 in designing the device," he reveals. "Thomas B. Cook and Howard H. Sander assumed that there would be negligible differences between horizontal wind factors at Ground Zero in NPG and the same factors within a 100-mile radius. They also had to assume that atmospheric components were constant throughout the blast area. Starting from there, they derived an equation for an approximate wave path. Later, we of 5413 found it was comparatively simple to mechanize the equation and rig the device."

Seated before the console, the operator feeds into the machine the raw meteorological data of wind magnitude, wind direction, temperature, and height above the ground of the burst point of the nuclear device. Instantly an electronically controlled needle begins tracing the plotted curve, as the obedient amplifiers go through their pre-designated paces, and 15 seconds later, Durham can point to a thin red line on the graph paper, a potential sound path of an atomic blast.

Result of Long Study

"Some 30 ray paths are thus computed for each of the principal directions from the NPG test area," Durham states. "Total time for all pre-shot computations is about 30 min-

utes, a relatively slow time dictated by the speed of the curve follower."

The facts provided by the computer will be used by Everett F. Cox and Jack W. Reed, both of 5110. Mr. Cox has been named Chief of the Blast Prediction Unit and Blast Advisor on the Test Manager's Advisory Panel for the next continental test operation. Mr. Reed will be his alternate.

Long-Term Evaluations

Howard's unique machine and its capabilities are an outgrowth of long-term blast effect evaluations carried on by Sandia Laboratory during nuclear tests at the Nevada and Pacific Proving Grounds. He was assisted by Melvin Eklund in 5413, and carried on his research over a six months period in the Special Problems Division headed by Jack Shoup. He is a graduate of the University of California with a degree in electrical engineering. After spending three and one-half years as an electronic technician aboard a Navy destroyer, he was hired by Sandia Corporation in 1951.

In his spare time—as a respite from circuit design and amplifier construction—Howard fiddles with amateur radio, using call letters W5TDD for his ham rig.

"Electronic work is relaxing," he claims.



Photo by Dunlap

THE ROAD BACK can be a happy road as is displayed by Lewis Weber, with his father, Max Weber, 5131. Lewis was stricken with polio in September, 1954, and today, thanks to modern medicine and research, which is supported by the National Polio Foundation, is fast becoming a completely healthy boy.

Sandians Who Serve

Leo A. Dunn—1284

Member of Plenary Council

Leo A. Dunn, 1284, serves his community and his church in several capacities. He's a committeeman for Boy Scout Troop 282, a member of the school board for Holy Ghost School, a member of Plenary Council for the Holy Ghost parish, chairman of the ways and means committee for the church and active in Catholic charities.

Leo was active last spring in the block-to-block canvassing of voters for the Citizens Committee, and in the fall he served as publicity chairman of the Corporation's Red Feather campaign.

An alumnus of Catholic University, Washington, D. C., where he resided before moving to Albuquerque six years ago, Leo and his wife, Mary, reside with their children at 737 Indiana St. SE. The youngsters include Angela, 12; Sheila, 9; Kevin, 3, and John Pat, six months.

Magazine Carries Mountain Climbing Story by Sandian

Gil Eggert, 1632, recently received word that an article, "The Natives Tackle Truchas," has been accepted for publication by the New Mexico Sun Trails Magazine.

In his article, Gil traces the mishaps and adventures of a rugged mountain climbing trip to the peak of Truchas Mountain in northern New Mexico. He was accompanied on the trip by Bob Dunlap, 1923, and Louis Hernandez, president of the Game Protective Association of New Mexico.

The article will appear in a future issue. Gil has had several articles published previously in other magazines.

A 200-foot "rifle" designed to fire electron "bullets" at approximately the speed of light and to develop energies up to 1,000,000,000 volts, has been unveiled by Stanford University.

George Lemmon—1284

Religious Leader

"Shepherd of his flock" is George Lemmon, president of the Albuquerque Second Branch of the Church of Jesus Christ of Latter Day Saints. As President, George is responsible for the religious and moral welfare of 520 persons in his congregation. The Mormon Church does not have a pastor or minister for each congregation, but delegates such work to qualified laymen. At present, George is involved in plans for a new \$150,000 Church building.

George also is a member of the Naval Reserve, working with BUSHips Co. 8-1 of Albuquerque. In his spare time, he is preparing his thesis in mechanical engineering at the University of New Mexico, and hopes to receive his master's degree next June. George is a registered professional engineer in the State of New Mexico.

All personnel of Santa Fe Operations and their guests enjoyed a buffet at the Coronado Club before Christmas. It was the annual observance of the holidays by the group.

ISA Nat'l President Guest at Meeting of Albuquerque Section

W. A. Wildhack, national president of the Instrument Society of America, will be honored guest at a special dinner meeting of the local section of the ISA Jan. 13, 6:30 p. m. at the Coronado Club.

Mr. Wildhack will discuss the progress of arrangements for the ISA International Instrument Exhibit scheduled for September in Los Angeles. He will also bring Albuquerque members up to date on changes in personnel and policy of the national society.

Sympathy

Sympathy is extended to Joe Oboikovitz, 2151-4, whose father passed away recently in Chicago.

Sympathy is expressed to the Leonard J. Baker, 2232, family for the death of Mrs. Baker's mother in Columbus, Ohio.

A report from the Michigan University scientists, Drs. Gould, Gomberg and Bethell, indicates that waste products from atomic piles may be used to control or wipe out trichinosis. (Milwaukee Journal)

Hughes Aircraft Co. Engineer Speaker at ASQC Meeting Here

"New Statistical Methods for Engineering and Production" will be the topic of A. D. Hawks, chief of quality analysis engineering at the Hughes Aircraft plant in Tucson, Arizona, when the Albuquerque section of the American Society for Quality Control meets Jan. 12, at 7:30 p. m., in Mitchell Hall on the University campus.

Mr. Hawks' presentation will include examples taken from the Hughes Aircraft missile program.

coronado club



Dec. 31 Thru Jan. 15

				Fri., Dec. 31 New Year's Party 9:30 p. m.		Sat., Jan. 1, 1955 HAPPY NEW YEAR!	
Sun., Jan. 2 Open	Mon., Jan. 3 Chess Night	Tue., Jan. 4 Open	Wed., Jan. 5 Bingo 8 p. m.	Thurs., Jan. 6 Duplicate Bridge	Fri., Jan. 7 Social Hour 5:30 p. m. MBC Trio	Sat., Jan. 8 Open	
Sun., Jan. 9 Open	Mon., Jan. 10 Chess Night	Tue., Jan. 11 Open	Wed., Jan. 12 Ballroom Dance Instruction	Thurs., Jan. 13 Duplicate Bridge	Fri., Jan. 14 Social Hour Square Dance	Sat., Jan. 15 Dance Don Lesmen Band	

EVENTS

"Production Assignments Successfully Completed"

As a reminder of days gone by, the days of year 1954, and to continue a custom of several years, the Sandia Lab News gives you a brief recap of what happened around the Laboratory for the past 365 days. Dates referred to in subheads are dates of issue of the paper; the events may be some you remember, some may be forgotten but they are a few of the significant and insignificant happenings which made the year full and eventful for Sandians.

January 1

The Sandia Lab News published its first issue under the new name . . . Corry McDonald, 1210, won first place in a sports car road race . . . John Brasemann, 2419, was the first Sandian to retire under provisions of the Corporation retirement plan . . . Wilson Maglidt was named president of Albuquerque Boys Choir.

January 15

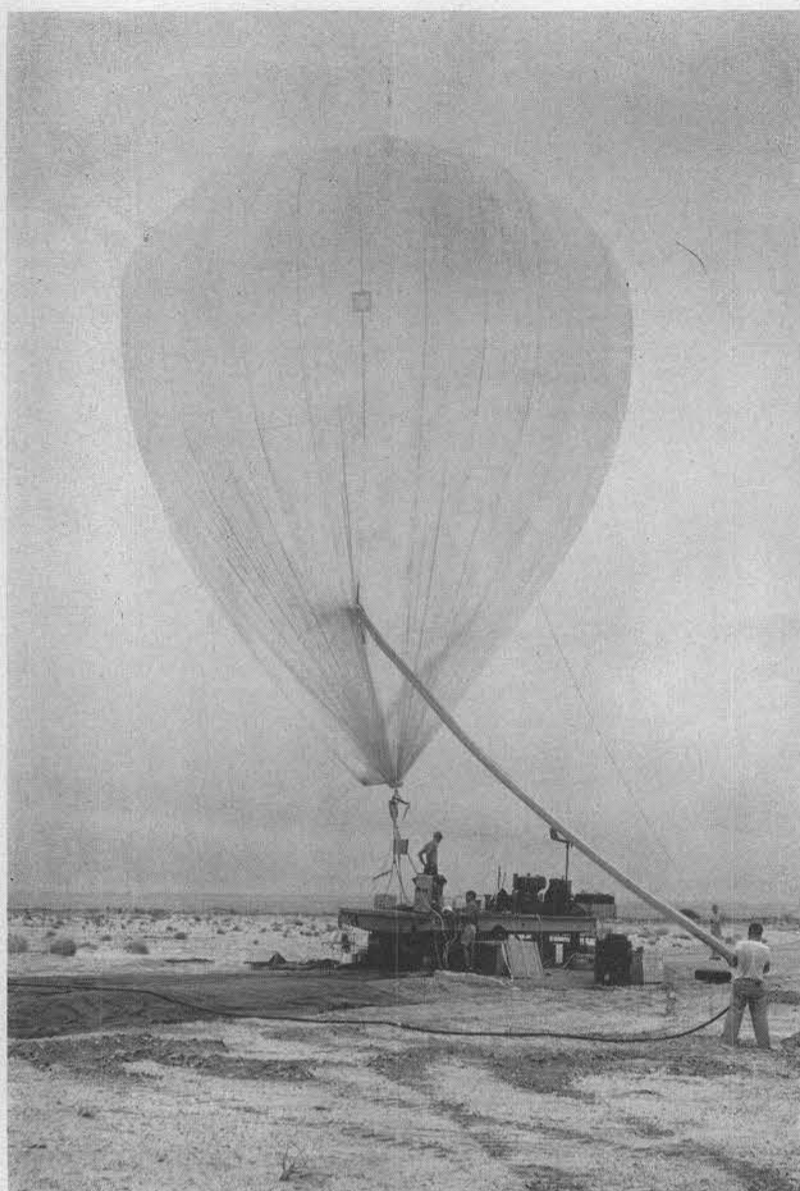
Local section of ASME received its charter with Richard A. Bice as chairman . . . Jack Gruer's model airplane bothered the local airlines and was destroyed by Air Force jets . . . The Bert Quelle and Bob Masak families won prizes with their holiday home decorations . . . Leonard DeLang's wife recognized her illness as polio from a description of the disease found in a Sandia Corporation booklet.

January 29

Walter A. MacNair spoke to the Boston section of the AIEE on Sandia's part in the atomic weapons program . . . Bill Ragsdale's victory over the crippling effects of polio was told . . . Ernest Abeyta came back to work after service with the Marines in Korea . . . NIKE, the super-accurate, super-sonic, ground-to-air missile developed by Bell Laboratories was unveiled.

February 12

Timothy E. Shea was elected president of the Albuquerque Community Chest for 1954 . . . Fred Crocker, 2211, told of the days of the golden west when he was a lad . . . Bill Laskar, 2462, received an award for the best news picture of the year . . . Aldis S. Hayes, 1512, was elected chairman of the newly formed local chapter of the



BALLOONS were flown in a series of experiments by Sandia Corporation Field Test personnel.

American Society for Quality Control.

February 26

Sandia Corporation directors were at Sandia for a series of meetings . . . Roy Brett, 2452, headed the Circle 10 gun club . . . Several Sandians, weapons in hand, went out to Alan Ayers ranch in the Estancia Valley to help him rid the place of too many rabbits . . . Robert A. Knudson, 3122, and Cecil E. Jordan, 2523-1, were admitted to the New Mexico bar.

March 12

J. R. Townsend was named chairman of the Materials Advisory Board



MARY MURPHY told of her victory over cancer—and her book about the struggle.

of the National Academy of Science . . . Jack Suttman, 2463, was busy designing a special body for a sports car . . . Don Lawson, 5311, presented a talk at an Electronic Components Symposium in Washington . . . Lucy Ann Catallo, daughter of Sandians Mary and Joseph Catallo, received a four-year scholarship to nursing school.

March 26

Friends of Ben Armijo, 2418, rallied to help him rebuild after his home was destroyed by fire . . . Johnnie Roach, 2152, told Sandia Lab News readers how he won 308 fights out of 330 . . . A motorist drove to a tech gate in her private car, when stopped asked "Isn't this the way to Santa Fe?" . . . Jose Sena, 2413, related his brush with Pancho Villa back in 1919.

April 9

The Sandia Lab News carried the story of Mike, a thermonuclear device, detonated in the Pacific in the fall of 1952 . . . Sandia Corporation announced sale of several surplus geiger

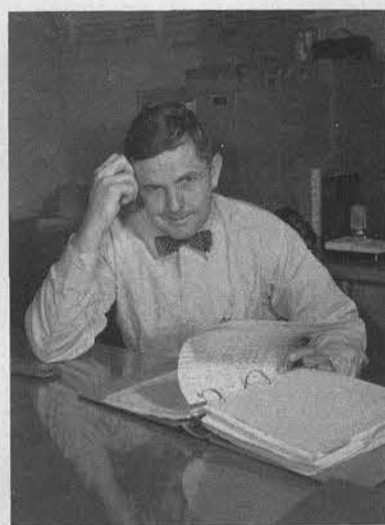
counters . . . Richard A. Bice, then manager of Engineering Department F, was elected to the City Commission . . . A. Burton Metzger, 3170, was appointed colonel, aide-de-camp, on the New Mexico governor's staff.

April 23

Evelyn Ricard, 1922-1, won top honors in Sandia women's bowling . . . Margaret Wetzel, 2461-2, and Mary Crampton, 3160, played parts in the Little Theatre Production "Gently Does It" . . . "Sunday pilots" in the NM Air National Guard included Jim Stark, Ken Sarason, Dan McKnight, Ken Finders and Earl Holcomb.

May 7

John T. Kane retired after 31 years service with Western Electric . . . Bowling competition between Sandia and Los Alamos ended with Sandia taking home the trophies . . . Project Outcast of Sandia Laboratory was



TOM HARRISON, the "incorrigible" engineer, returned from a Chinese prison camp to this country—and to work for Sandia.

explained . . . Don Jenkins, 3154, won top honors in the Toastmasters speaking competition at Carlsbad . . . Harold W. Sharp was transferred to Western Electric Company's North Carolina works and R. B. Powell was named Superintendent of Personnel and Public Relations.

May 21

Sandia Corporation employees gave 368 pints of blood to the Red Cross . . . Norma Lee Miles, 1922, sang the lead part in a Brahms concert with the University chorus and symphony orchestra . . . Arthur Shepherd, 2481-1, was on hand at Salton Sea to help cut the ribbon on a new tech area gate . . . Ed Grossman,



NORMA LEE MILES, wife of Jim Miles, 3171, who sang a lead role in Brahms Oratorio during University concert.

2151-1, would probably have lost an eye except for his safety glasses when a piece of metal flew into the lens.

June 4

Col. Tom Harrison, former POW who resisted Korean Communist brainwashing, joined the corporation . . . Five Sandians earn advanced degrees from UNM: Francis Bentzen, Thomas Lusk, Joel Simmoas, Al Wells, George Oltman . . . R. H. Gablehouse and Dave Henry, both 5220, helped capture a thief in Chicago . . . Manuel D. Garcia, 2419, retired after 12 years service with atomic energy program.

June 18

Sandia engineers announced the start of experiments with captive balloons . . . Charles B. O'Keefe was elected president of the Coronado Club . . . Thirteen college professors were working with Sandia Laboratory during the summer . . . Gruine Robinson was named president of Albuquerque Press Women's Club . . . Calamity Jane made an appearance at Salton Sea Test Base ("she's" a Civil Defense rescue truck).



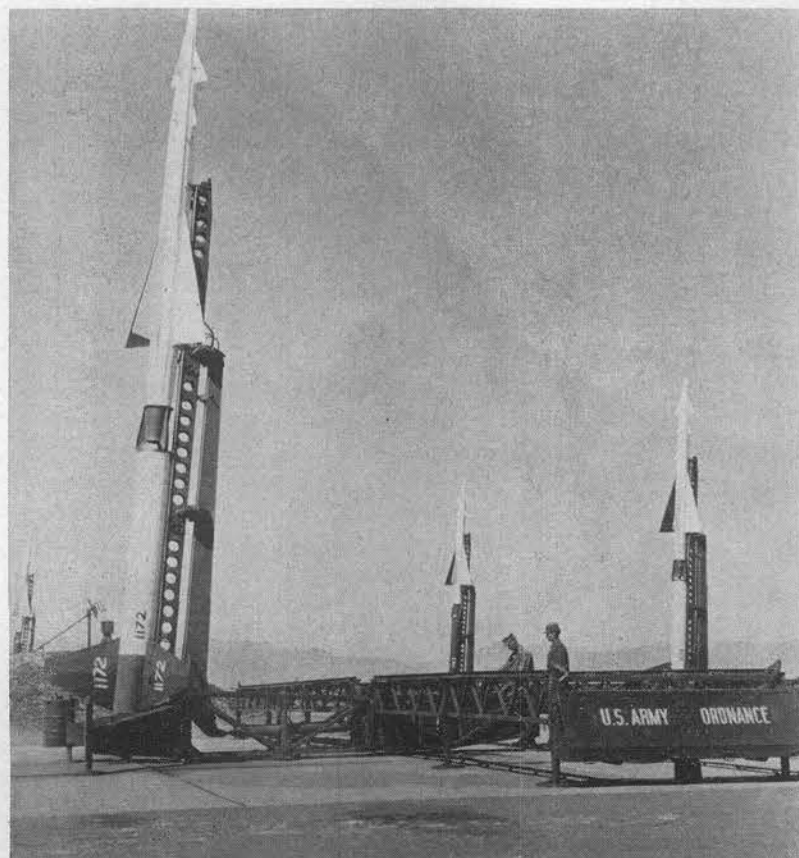
VIOLA MAESTAS, 2464, helped tell of the safekeeping of classified documents at Sandia Laboratory.

July 2

Chuck Charles, 5132, a member of American Astronautical Society, discussed travel in space . . . The "Living Desert" need not be too fearsome, explained Dr. F. G. Hirsch . . . Mel Pliner told how welding can be beautiful when you make your own furniture . . . Brig. Gen. Canterbury was appointed commanding general of the Air Force Special Weapons Center at Kirtland AFB.



DR. F. G. HIRSCH, Medical Director of Sandia Corporation, who this year, with his staff, provided tips on life in the desert.



NIKE, the Western Electric Company manufactured anti-aircraft weapon, was unveiled by the U. S. Army Ordnance people.

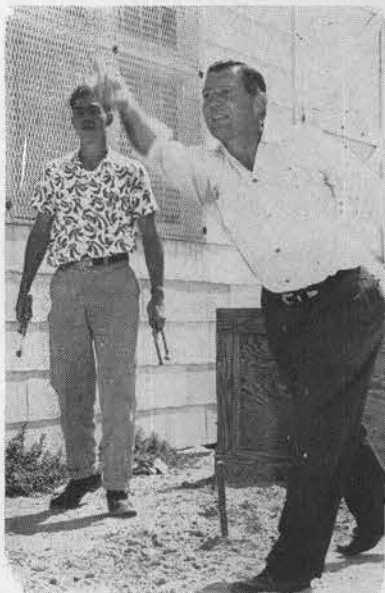
Is Sandia Theme In 1954's Parade Of Events -



THE AEC told of MIKE, the thermonuclear device detonated in the Pacific in the fall of 1952.

July 16

Alan Pope's book "Wind Tunnel Testing" was in its second printing after selling 7,000 copies of the first printing . . . Gene Buell, 5130, presented two papers at meeting of the American Association for Advancement of Science . . . Jim Shreve, 5221, told how he became an antiquary strictly by accident . . . Fred Darugh reported that his ad in the Sandia Lab News paid off—he bought the 4-foot bull snake he needed for his magician props.



LUNCH HOUR horseshoe tournaments were favorite pastime of Corporation workers during 1954.

July 30

Howard Viney, Clarence Coats and Glenn Elliott helped evacuate passengers from a commercial airliner on which they were riding after one of the engines caught fire . . . Betty Rosendale, 4000, played a role in the Old Town Players production "The Glass Menagerie" . . . Carl Hawk, 1941, turned away from Detroit's chrome and started making his own automobile . . . Bill Stamm, 2442, went up to Wyoming in search of a wild rapids to shoot for thrills . . . Sam Adkins returned to Sandia after two years in the army . . . Sandia Corporation's safety record was reported as better than the average of all AEC contractors and better than the average of all industry.

August 13

C. W. Campbell was appointed to head Sandia Corporation's Red Feather drive . . . The AEC re-



JAMES W. McRAE, president of Sandia Corporation, congratulated Eagle Scout Walter R. Sims.

ported "the nation's atomic weapons stockpile (is) growing rapidly in total number . . ." . . . Herb Plagge's meteorology section met for a picnic and it rained . . . Don E. Wanner, Henry Strauss, and Frank Grubbs won prizes in a local newspaper's photo contest.

August 27

Sandia Corporation received an award from the AEC for three million man-hours worked without a disabling injury . . . Curt Biggs, 1650, came back from California with a picture of a 42-pound salmon he caught . . . John Cooper spoke to the Nuclear Science Group of the IRE on nuclear reactions . . . Many Sandians cooperated with Albuquerqueans who are renovating property at Boys Ranch.



PAULA BAKER, 3153-1, joined other Sandians in enjoying the pleasures of the Coronado Club pool.

September 10

Dr. Louis Gerber joined the Corporation medical staff . . . Announcement was made of the new employee hospitalization - surgical insurance plan . . . AEC housing residents learned that they now had the right to vote . . . Harold V. Catt was elected to serve as Coronado Club treasurer . . . Robert E. McCallum, 1652-3, presented two papers before the International Exposition of the Instrument Society of America in Philadelphia.

September 24

Max H. Howarth succeeded T. E. Shea as Vice-President and General Manager of Sandia Corporation . . . Seven-year-old John McRae, son of Sandia Corporation's president, informed his teacher he wanted to work for Sandia Corporation when he grew up . . . Members of the Security Department celebrated their fourth anniversary with a dance . . . W501A (Howard "Cap" Carmody) told of his work with the Military Affiliate Radio System.



JACK HAMMERSTRAN, 2531, was pictured in the story of the tool engineer.

October 8

Community Chest drive reached the \$36,183 mark . . . Admirers and owners of the Model A formed a club . . . Charley Chavez, 1931, again won the tennis tournament . . . Robert L. Book, Harry H. Weber and William W. Juvenal were appointed division directors for the AEC on Sandia Base . . . Larry Smith, 5242, was elected vice president of the Albuquerque chapter of the American Meteorology Society.

October 22

The Red Feather total went up to \$40,035 . . . George A. Landry, former Sandia Corporation President, retired from Western Electric Company . . . Eaton Draper's story of the Gallina Indian Towers sparked curiosity and investigation by Sandians . . . Al Marrs, 5242, invaded the women's world when his male co-workers gave him a wedding shower.

November 5

Jim Culver, Salton Sea fireman, participated in the rescue of a nearly asphyxiated child in Westmorland, Calif. . . . Announcement was made of the transfer of J. A. Dempsey to Hawthorne Works of WE in Chi-



WALTER HINES, son of G. H. Hines, 2221-2, found more than swimming at the Coronado Club pool.

cago . . . Ted Rosenwald, 2442, was chosen vice-president of New Mexico fire chiefs . . . C. R. "Jack" Meister, 2442, reported the fall harvest of hongos (edible mushroom) the best in years.

November 19

Sandia Corporation's annual report read cryptically (but pleasantly) "production assignments successfully completed." . . . Kenneth S. Spooner was named Sandia Corporation Purchasing Agent to succeed William F. Dietrich, transferred to Western Electric's Kearny, N. J., plant as Works Purchasing Agent . . . Jack Weisen, 5131-1, helped develop a device used in predicting production results . . . Bailey's Birds (Wally Bailey, 2532) were subject of an eggy feature for Sandia Lab News readers.

December 3

Personnel of 2464 prepared a Christmas gift of food for a needy



SANDIA VOLLEYBALL enthusiasts kept the courts hot in employee noon-hour competitions throughout the tech area. Balls and volleyball nets were supplied by Employee Services Department as part of Corporation's co-ordinated recreation program.



BEVERLY STRAUCH, and several hundred other Sandia Corporation employees, gave blood to the Red Cross.

family . . . Rudy O. Frantik, 5131, and D. Maxwell Ellett, 5143, participated in a U. S. Navy symposium . . . The story was told of Sandia Corporation's rocket sleds used in high velocity impact testing . . . Jim Kelly's volleyball team ended the season undefeated . . . Four Sandia AF reserve officers attended a National Resources Conference — Sid Merriam 4133, Chuck Charles 5133, Ken Overbury 1213, and Les Rowe 2410.

December 17

Chairman Lewis L. Strauss of the Atomic Energy Commission praised accomplishments of personnel of Sandia Laboratory . . . George Shambaugh, 2545, retired . . . N. M. National Guard expressed thanks to Sandia Corporation for cooperation with the Guard's training program . . . Ferris K. McKesson, 5531, completed establishing contact with radio hams in 48 states . . . President James W. McRae wished "Merry Christmas and Happy New Year" to all employees.

December 31

This issue of the Sandia Lab News ends the year 1954. It is a year full of happy, sad, momentous and trivial events which spread across the pages of this paper and soon will fade into a dim memory as Sandians turn their eyes to 1955 with its promises and challenges.



MAX H. HOWARTH, appointed vice-president and general manager of the Sandia Corporation to succeed Timothy Shea, transferred to New York, as vice-president, Eastern Area, Western Electric Company.

shopping center

The Shopping Center is for Sandia Corporation employees and employees of the AEC on Sandia Base and it is a free service. To submit ads, just write down on a card or piece of paper what you want to advertise in 20 words or less. Indicate whether the article is "For Sale," "Wanted," "For Rent," etc., and write down the home telephone number or address where interested parties may get in touch with you. Include your name and department number and mail the ad to the SANDIA LAB NEWS, Sandia Corporation, Albuquerque, N. M., or send it to the SANDIA LAB NEWS through company mail offer you come to work. **ADS CANNOT BE TAKEN OVER THE TELEPHONE.** If you prefer, you can give your ad to the SANDIA LAB NEWS reporter in your organization. Each advertisement will be run one issue. The deadline is Friday noon, a week prior to publication.

Next Deadline: Noon, Jan. 7

FOR SALE—

HOUSE TRAILER, 25½-ft. with hydraulic dolly, oil heater, electric refrigerator, butane range, \$1100. Weaver, 1425 Roma NE, Alb. 2-5560.

RADIO-PHONO, Zenith table model, 3-speed, 8-in. speaker, will trade. Young, Alb. 3-1562.

HORSE SHOE SET, professional type, \$5. Newman, Alb. 4-5032.

GAS RANGE, apt. size \$60; high chair \$5; stroller \$7; tan fiber rug \$7. Sandin, 3208 Loma Vista Pl. NE, ext. 46135.

WASHER, Thor Automatic \$40; 6-weeks old rabbit \$1. Mitchell, Alb. 2-9769.

TWO-BEDROOM HOME, patio, wall, landscaped, near both Bases, \$9700. Nesbitt, Alb. 6-6219.

EPIPHONE AMPLIFIER, portable \$85; electric blanket, \$12. Kline, Alb. 5-0991.

LIVING ROOM SET \$65; 2 occasional chairs \$5 each; 16-ft. house trailer \$400. Sandoval, Alb. 6-0433, 816 Quincy NE.

BATHINETTE, Storkline \$5. Loeschen, 9401 Woodland NE, Alb. 6-8160.

TYPEWRITER, Remington portable with case \$40; Stenotype in case \$25. Dove, 417 Tulane SE, Alb. 5-8169.

HOUSE TRAILER, Travelhome, 26½-ft., ultra modern. Nassif, Alb. 5-1626.

BOXING GLOVES, boys' ice skates, size 11. Holmes, 437 Espanola NE, Alb. 6-7128.

HOME, NE Heights, 4-rooms, garage, large kitchen \$8300, GI, no money down. Rolsma, 2826 Montclair Dr. NE.

BUICK, '41, R and H, 4-door, best cash offer over \$50. Henderson, 724½ Broadway SE, Alb. 34246.

MAN'S ENGLISH BIKE, 3-speeds, tire pump \$30. Marchbanks, Alb. 4-3359.

REGISTERED COCKER puppies, 6 weeks old, blond and black. Lister, 432 Dallas NE, Alb. 6-7791.

1954 29-ft. Columbia Trailer house, make offer. Sanchez, 201 Wyoming SE, Space 4, Alb. 6-6549.

TWO-WHEEL TRAILER, 5 x 8 ft. bed, \$50; Siamese kitten, 6 months; portable phonograph with case, practically new \$15. Skelley, 447 Louisiana SE.

NOVICE TRANSMITTER, Meissner 2-CW transmitter, complete with tubes and crystal for 80 meters \$20. Drake, 1717 Virginia St. NE.

WANTED—

TO FORM or join car pool vicinity San Pablo NE to Bldg. 892. Edmund Beach, 2632 San Pablo, ext. 32159.

TO BUY 8-mm movie camera and projector, also power tools with high power ham gear. Sander, Alb. 6-2321.

TO JOIN or form car pool from 2920 Alvarado Drive NE (vicinity San Mateo and Menaul) to Bldg. 880. Hylander, ext. 21232.

DRIVER for car pool from vicinity of Bel-Air school to east parking lot. McLaughlin, Alb. 4-3579.

RIDE from 2700 block Aliso NE (Bel-Air) to Adm. Bldg. Gloria Geibel, Alb. 6-8147.

OLD RIFLES, revolvers, flintlock pistols, pay cash. Smitha, 8607 Menaul NE, Alb. 6-7465.

RIDE or form car pool from 4605 Crest SE, Ridgerest addition to Bldg. 880, day shift. Lanza, ext. 23264.

RIDE to Bldg. 880 from 6100 Edith (vicinity Edith and Osuna Rd.) or join pool. Russell, ext. 33245.

RIDE for two from 2002 Silver SE to Bldg. 880. Lautner, ext. 34160.

USED girl's 24-in. bicycle, in good condition. Newman, ext. 26238.

RIDER to join car pool from Girard & San Rafael SE to Bldg. 880. Richard Young, Alb. 3-1562.

ONE OR TWO bedroom apartment, \$65 to \$75 month. Walking distance University and bus stop. Couple, no children. Reese, ext. 27160.

GOOD HI-FI FM broadcast receiver and speaker. Poole, ext. 29148.

TRADE—

GUN, .32 automatic for .22 revolver; also 2-wheel trailer, sell or trade. Flowers, 1833 Kentucky NE.

A Reminder: Classified Advertising is a free service to employees. Please limit your ads to 20 words to help conserve space.

Cline's Corners — Not Florida for Family Of Lyman Middleditch

When Lyman Middleditch, Jr., 1335, his wife and two children planned to spend the holidays in Florida, they hadn't intended to stop at Cline's Corners since the trip was to be made in a private plane.

But a faulty oil-line forced them down at the New Mexico spot, and they had to return to the Duke City, baggage and gifts in tow, with hopes for a more successful holiday next year. Lyman reports the oil-line is of unusual design and that the new part couldn't be obtained in time to proceed with the vacation.

Search Fund Is Established For Giannini Family

One dollar will purchase a ticket for a 21-in. television set to be awarded Jan. 22 at the Brunacini Appliance Co., with proceeds going toward the Giannini Search Fund, organized this week by friends of Renato Giannini, who disappeared while hunting at Elephant Butte Lake, Dec. 21.

Tickets may be obtained from the Bernalillo County sheriff's office, from either the downtown or Central East Cook's Sporting Goods Stores, or from Brunacinis, 2901 Edith Blvd. NE.

The money will be used to continue the search for the body, in order that the estate may be settled and needed funds released for Mr. Giannini's family.

Nine-Year-Old Son of Sandia's Frank Dain Outshoots Adults

Jack Dain, nine-year-old son of Frank Dain, 2111, was the top marksman in a turkey shoot recently in which his opponents were adults.

He fired three straight bull's-eyes for 30 points, tying with one of the adult competitors in his group.

With each given one more shot to break the tie, Jack carefully scored another direct hit while his opposition missed center.

Jack, a student at Regina Coeli school, has been going hunting with his father for four years. He's killed a number of rabbits and prairie dogs, but this was his first turkey shoot.

FOR RENT—

HOUSE, 3 bedroom Hoffman brick, garage, lawn, sprinklers, available Jan. 7. Stueber, 8410 Flower Pl., NE.

APARTMENT, bachelor efficiency, furnished, utilities paid, 5 minutes from Base. Thome, 4912 Pershing SE, Alb. 5-2812.

HOUSE, two bedroom, hardwood floors, garage, range, \$70. Tafoya, 1524 Spence SE after 5 p. m.

THREE-BEDROOM home, attached garage, near both Bases, landscaped, walled, gas range, large closets, available Jan. 1 \$100 mo. Groll, Alb. 5-9638.

TWO-BEDROOM duplex, furnished \$70, unfurnished \$65, Yale & Coal; also 4-room \$65; 3-room house, furnished \$45. Jones, Alb. 2-4264.

TWO-BEDROOM house, garage, 4 acres, north valley. Padilla, Alb. 4-0730.

FOUND—

BOWLING BALL at Coronado Club alleys. Identify and claim at attendant's desk at Club alleys.

PAIR OF GLASSES, tortoise shell frames, brown-clear rims. Identify and claim at Employee Services.

Coronado Club Bowling Resumes After Alley Work

With more bowlers participating than ever before, play resumes on the Coronado Club alleys Jan. 3, after a 13-day shutdown to re-finish the alleys during the Christmas holiday period.

League play will get under way at 6:30 p. m. Monday night, and continue nightly throughout the week. There will be open bowling on Saturdays and Sundays each weekend from 1 to 6 p. m.

Entries were coming in rapidly for the Third Annual Coronado Bowling Tournament to be Jan. 29 through Feb. 6. The tourney is open to all male Coronado Club members holding a current ABC-sanctioned average as of Jan. 15.

A special award, a Brunswick bowling ball, will be made to the top-ranking kegger in all events: singles, doubles and team play, Club directors have announced. The ball is being donated by the Brunswick-Balke-Calender Company.

Further tournament details may be obtained from Don Atkins, 1631, ext. 30135.

FM Radio Station Started by Lovers Of Classical Music

Radio dealers in Albuquerque have reported that sales of FM receivers have boomed in the past few weeks. And it's probably due to the fact that Charles J. Reed, 5211, and some of his friends like fine music.

Chuck and three Albuquerque high school teachers have started the city's newest FM broadcasting station, KHFM. The station operates on a frequency of 96.3 mc. between the hours of 3 p.m. and 11 p.m. on weekdays and noon to 11 p.m. on Saturdays. The staff hopes to be in operation seven days a week soon.

Program director is Ed Perkins, Albuquerque school teacher and associated with Perkins and Reed are John D. Hopperton and Arthur Loy, both high school instructors.

Chuck reports that the new station offers classical and semi-classical music and opera almost exclusively, but a new program of popular music is being introduced.

An electrical engineer for Sandia Corporation, Chuck has been taking care of the technical operation of the station.

Junior Bowlers to Get Instruction, Have Own League

A Coronado Club bowling league for juniors, aged 11 to 17, and classes in bowling instruction will be organized at the club lanes during the New Year, according to Charlie Kaspar, 3153, club bowling director.

The new junior bowling organization will be limited to children of Coronado Club members.

Names of possible members in the Coronado Junior Bowling League, and names of members of the bowling instruction classes should be phoned to Mrs. E. C. Pace, ext. 26281, or to Ken Lloyd, 1641, at ext. 34132.

Welcome! Newcomers

A welcome is extended to the following newcomers who joined the Corporation between Dec. 9 and Dec. 17.

- M. L. Heisler1611
- Gayl V. Buddy1641
- Josephine B. Canady1641
- Charles C. McDonald1713
- Arthur L. Savage1732
- Louise D. Patterson1923
- Evelyn M. Brewington1925
- Victor D. Schaeffer2151
- Richard E. Burken2461
- James M. Durrett, Jr.2461
- Voris V. Hope2463
- Lorene B. Henry2482
- Merrill H. McGrath2482
- Claire L. Leupold2523
- Charles R. Cundiff2551
- Homer C. McIlroy2611
- George W. Hosking3521
- Charles M. Griffin3545
- Alma S. Daniels6021



SAFETY SHOES WORK—John Ansley, right, shows James Miller the scar on the toe of his safety shoe which was made when the power unit of an oscilloscope (under their hands) fell onto his toe. The hundred-pound unit tore up the shoe, but John didn't even feel the blow.



JOSE F. MONTOYA, 2417, and his 10-year-old daughter, Theresa, are proud of the 195-pound deer Jose bagged in the Jemez area.



SENORITA Canyon yielded these deer for two more Sandia hunters. Left is Jim Deakin, 1941, and right is George Ladanye, 1931.



ANOTHER successful Sandia hunter, Benny Anaya, 2452, poses with his 250-pound deer which he bagged on Elk Mountain in the Pecos.

Shoe Saves Foot—Eye Saved Earlier By Safety Glasses

John Ansley, 1652, was moving the massive power supply unit of an oscilloscope recently, when the heavy apparatus dropped onto his foot. Ansley's safety shoes saved him from what might have been a painful and permanent injury.

A few years ago, John—who is a firm believer in all types of safety gear—was a spot weld inspector at the Burbank, Calif., plant of Lockheed Aircraft, when a wing stop nut exploded under a welding torch, and smashed into his safety glasses. Though both lenses were badly cracked, John's safety-mindedness had saved his eyesight.

Tech-Scientific Society to Plan Program for Year

The Board of Directors of the New Mexico Council of Technical and Scientific Societies will meet Jan. 3 at 7:30 p.m., at the Coronado Club to discuss programs for the coming year.

The Monday evening meeting represents a change in the regular meeting date.

Appointed to represent the American Welding Society on the Council was Charles Boettcher, 2531, with Manuel D. Bolton, 2124, as alternate.

Tom Banks, 5423, was appointed to the Council as a representative for the Sandia Base Radio Club, with Lloyd Melick, 5424, as alternate.

Enter Service

Fourteen Sandia Corporation employees have entered military service during the month of December, setting a record for any month this year.

Those going on military leave are: William Schultheis 1312, Bruce Higgins 2124, Donald Argyle 5215, Sidney Halpert 1282, Edward Holland 5423, Thomas Manetsch 5221, Melvin Eklund 5413, Albert Impink 5424, Howard Reid 5421, R. G. Glaser 5222, H. J. Price 5421, H. R. Dale 5222, Paul Rolfes 5313, and Kenneth Stokes 5541.

